

# Missouri DOT TAM



**FTA TAM Bus Workshop**

**Joni Roeseler**

**September 4, 2019**



MoDOT – Transit, Roads and  
Bridges

MoDOT - Partner  
Collaboration

MoDOT - Group TAM Plan

# Missouri Transit Update



- Transit Funding
- Transit & Mobility Options
- Transit Asset Management (TAM) Plans
- Transit Safety Management Plan





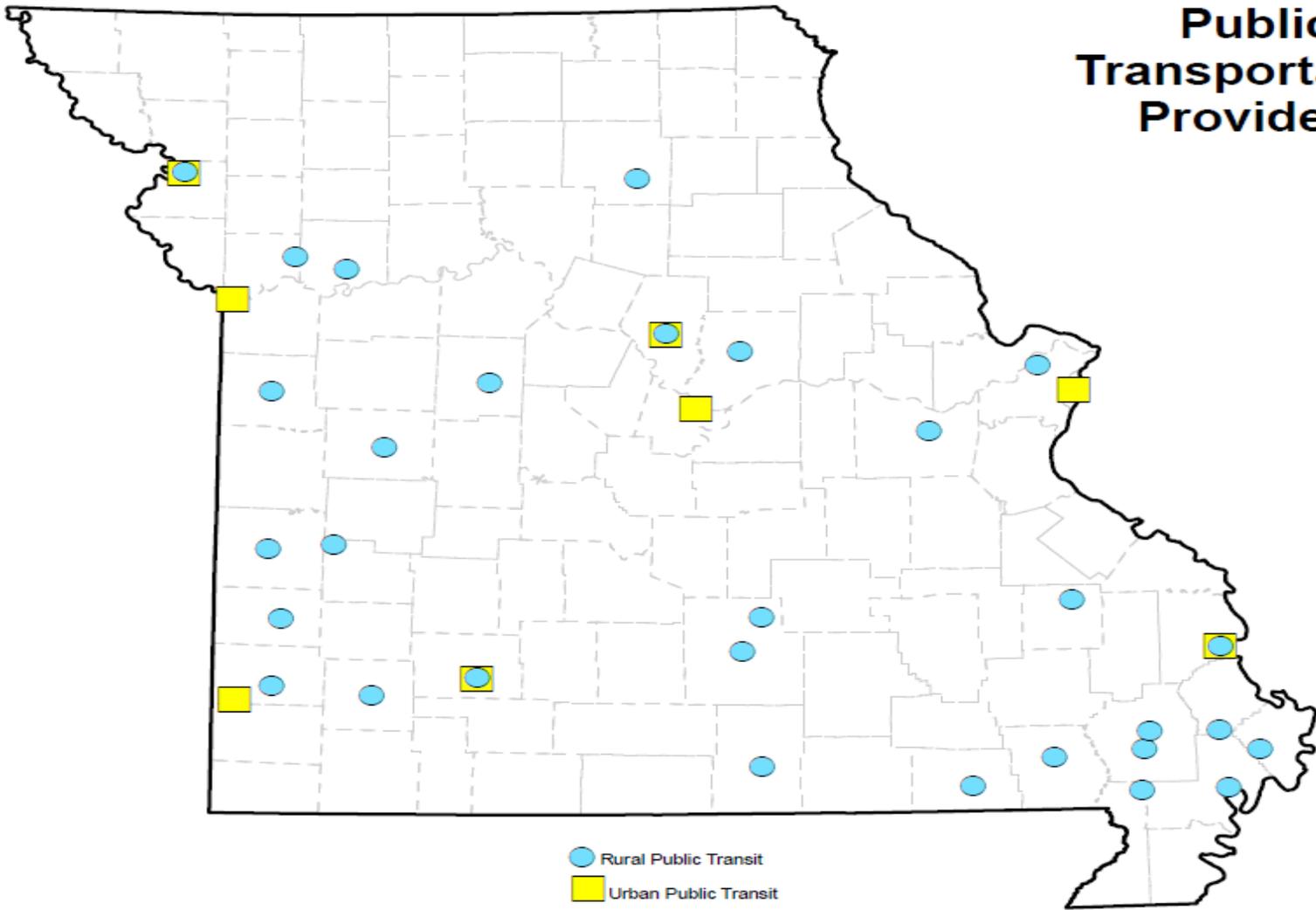
# Transit FY2018 58.6 million trips



# Transit



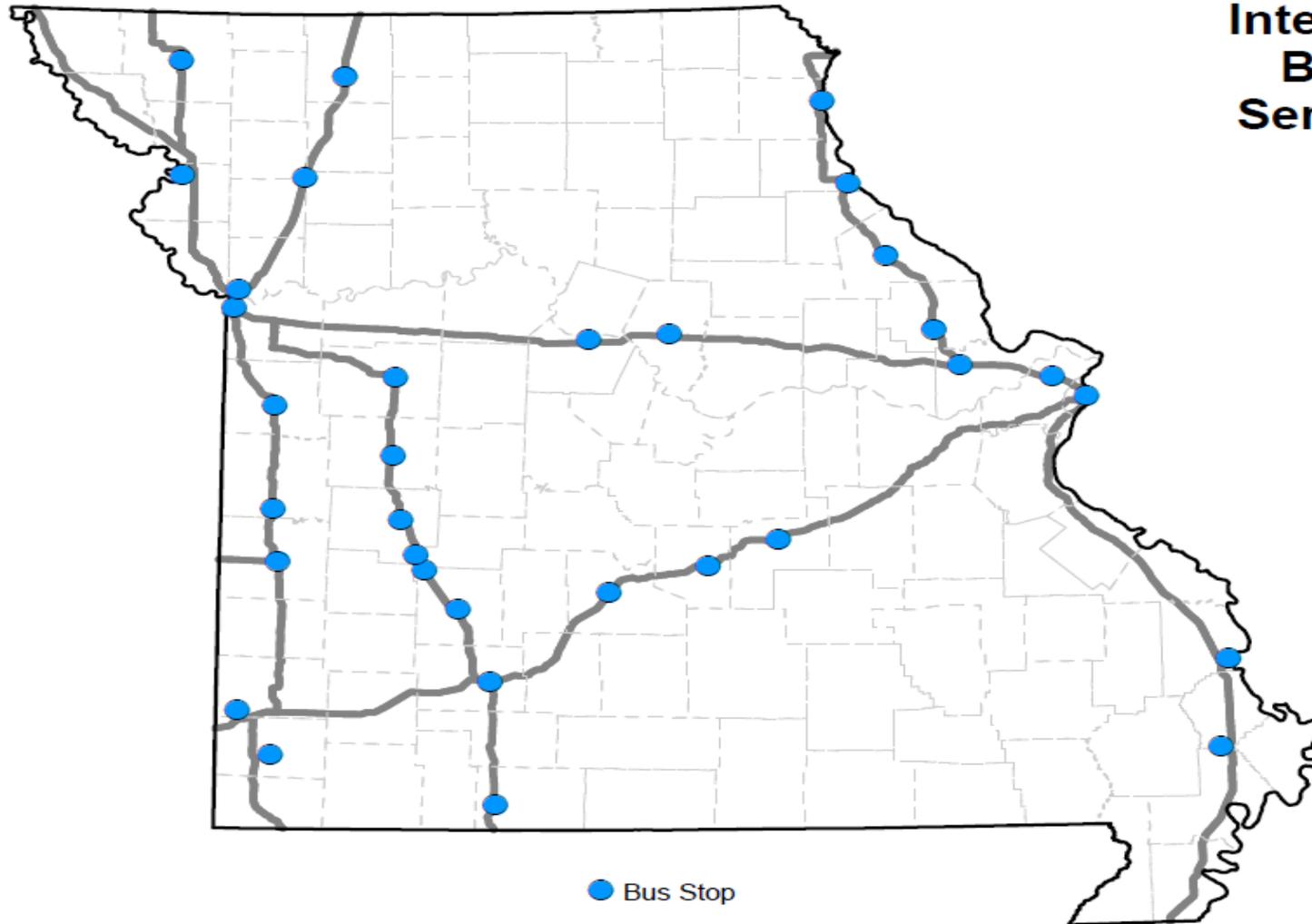
## Public Transportation Providers



# Transit



**Intercity  
Bus  
Service**



# Transit Budget – FY2020

## Governor Approved Budget



- Transit Program Budget
  - \$54.2 million includes Federal and State Transit Program Funds
- Light Rail Safety Oversight Budget
  - \$632,000 includes 80% Federal Funds

**\$200 Million Future Annual Transit Needs**

# Transit Budget Highlights

## State Funding



- State Transit Operating Assistance
- \$1.7 million from the State Transportation Fund in FY2020 Budget
- Missouri Elderly and Handicapped Transportation Assistance Program (MEHTAP)
  - \$1.7 million State General Revenue Fund
  - \$1.3 million State Transportation Fund

# Transit Budget Highlights

## Federal Funding



- Rural Transit Capital and Operating Grants (Section 5311)
- \$31.0 million federal funds 2019 Budget
- Provides capital and operating assistance to support public transportation in rural areas of Missouri
- Capital projects funded at 80%
- Operating assistance funded at 50%

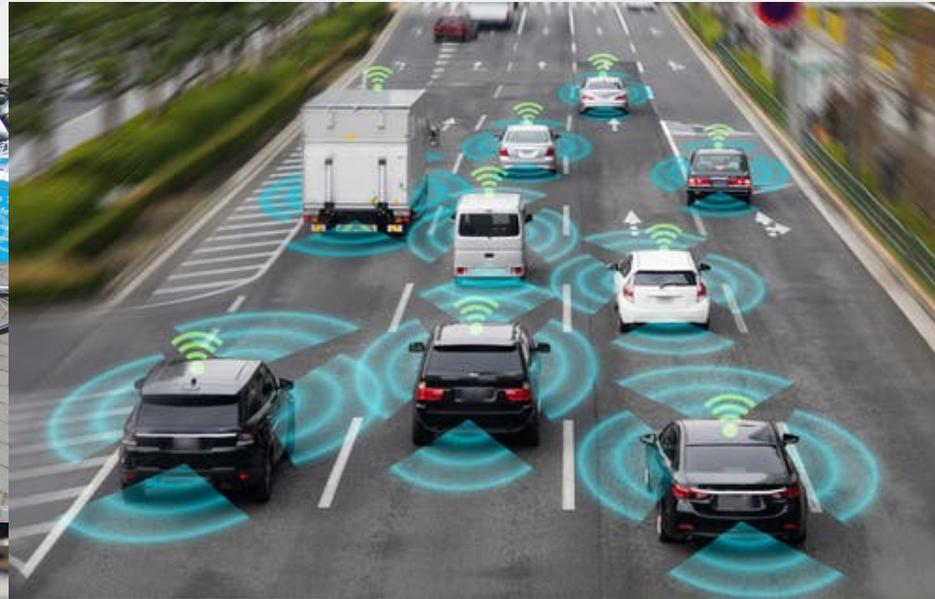
# Transit Budget Highlights

## Federal Funding



- Enhanced Mobility of Seniors and Individuals with Disabilities Program (Section 5310)
- \$10.6M federal funds in FY2019 Budget
- 55% of funding must be for traditional 5310 types of projects – capital only
- Provides capital and operating assistance to agencies serving the mobility needs of senior citizens and/or persons with disabilities
- Capital projects funded at 80%, Operating assistance funded at 50%

# Micromobility and Autonomous Vehicles



# Who is MoDOT?



- Ranked 7<sup>th</sup> nationally in state highway miles
  - 34,000 center line miles
  - 10,400 bridges
- Divided into 7 districts
- 9 MPOs
  - 4 TMAs
  - 5 bi-state MPOs
- 19 Regional Planning Commissions

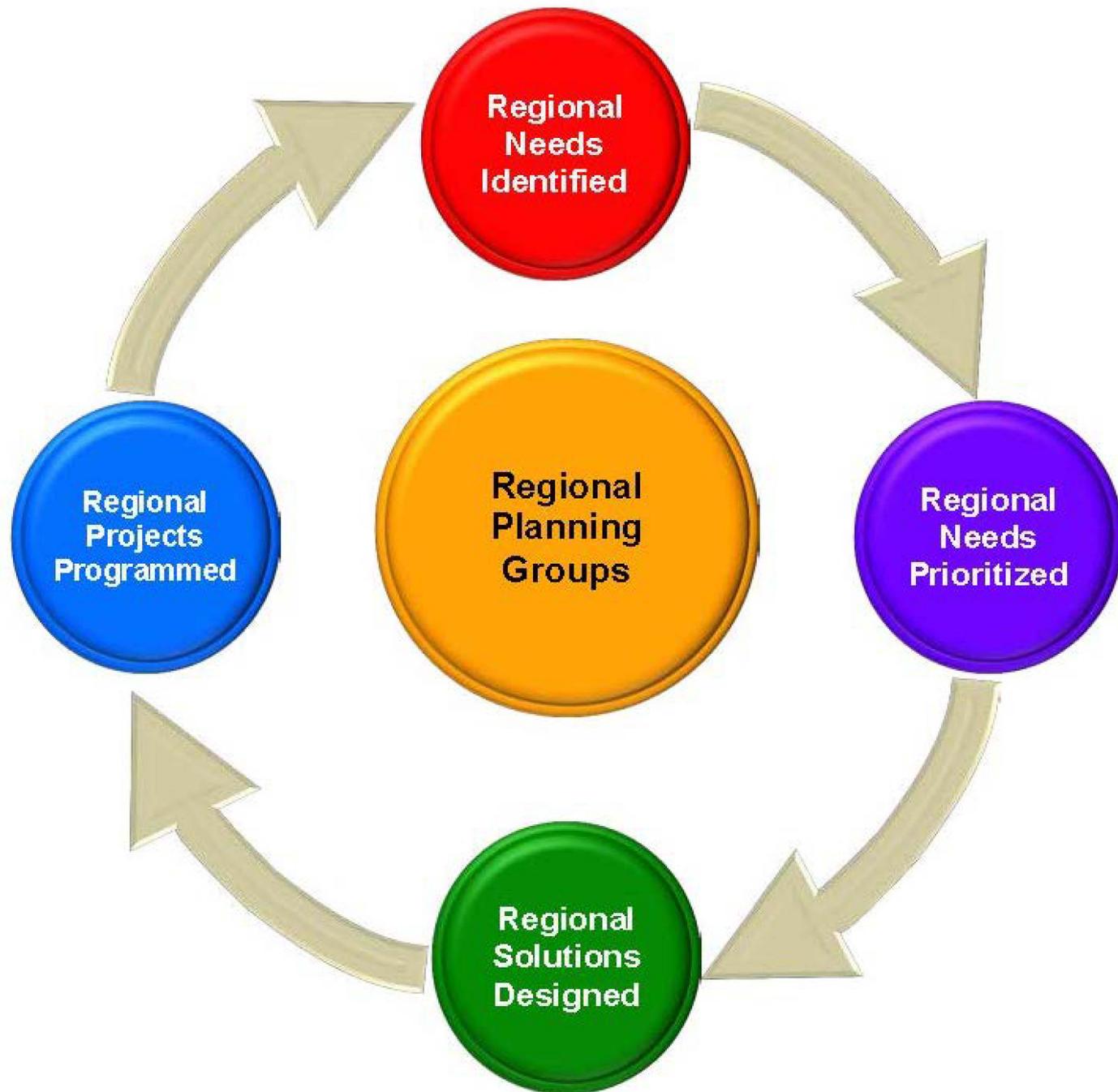


# Collaboration Partners



- MPOs
- Regional Planning Commissions
- Arkansas, Illinois, Kansas, Missouri DOT
- FHWA local division staff from Arkansas, Illinois, Kansas, Missouri
- FTA local division staff from Arkansas, Illinois, Kansas, Missouri
- Applicable Subject Matter Experts





# Target Setting Coordination



Annual Fatalities and 5-Year Average Fatalities



Equipment	State TAM Plan initial TARGETS (% met or exceeded FTA ULB Benchmarks)
Non-revenue support-service and maintenance vehicles (exceeding \$50,000 at purchase)	50%
<b>Rolling Stock</b>	
<i>Revenue vehicles by mode</i>	
VN, AO, MV (8 year ULB)	50%
CU (10 year ULB)	50%
BU, BS (14 year ULB)	50%

# Implementation Matrix



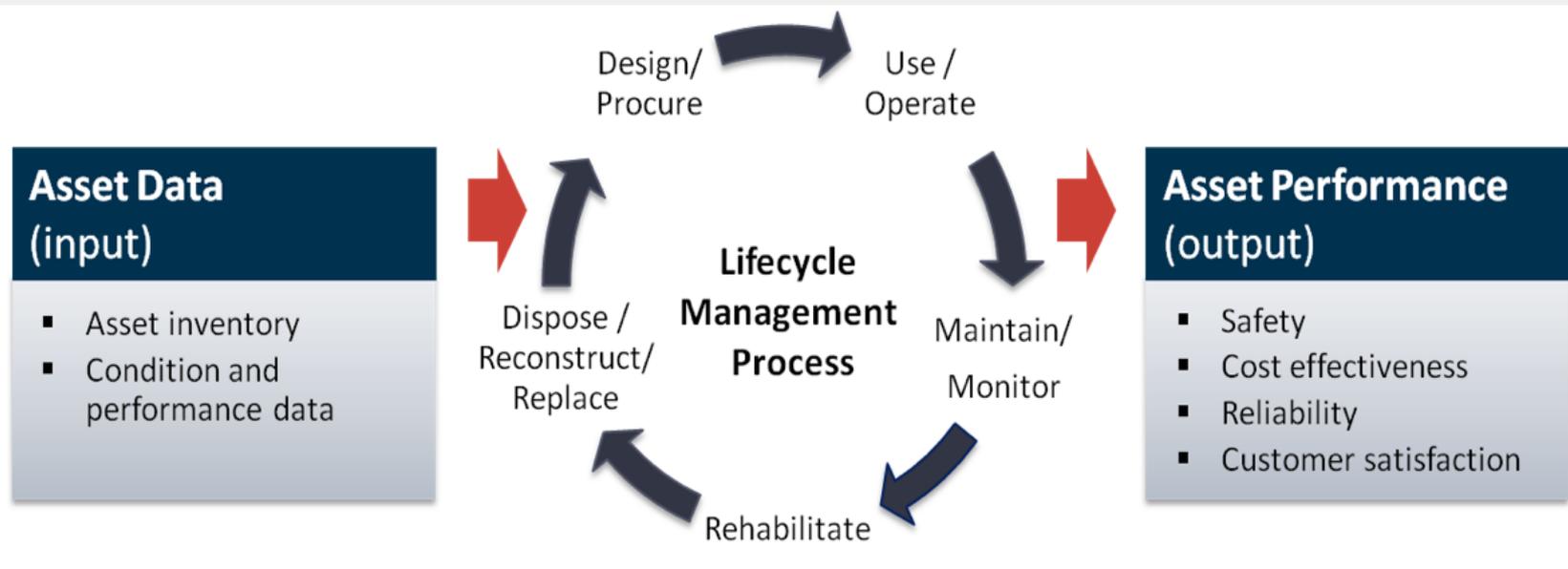
Who	Area	Performance Measure Targets	Where	By When
Transit Agency	Transit	Percentage of Vehicles that have met or exceeded their ULB	Documented	January 1, 2017
		Percentage of Revenue Vehicles within a particular asset class that have met or exceeded their ULB		
		Percentage of Guideway Directional Route Miles with Performance Restrictions by Class		
		Percentage of Facilities with a Condition Rating below 3.0 on a FTA TERM Scale (5 being excellent)		
State DOT	Safety	Number of Fatalities	HSP	July 1, 2017
		Rate of Fatalities per 100 million VMT	HSIP	August 31, 2017
		Number of Serious Injuries		
		Rate of Serious Injuries per 100 million VMT		
		Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries		
MPO	Safety	Number of Fatalities	Report to	February 27, 2018
		Rate of Fatalities per 100 million VMT	State DOT	
		Number of Serious Injuries		
		Rate of Serious Injuries per 100 million VMT		
		Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries		

# What's Needed?



- Coordination
- Flexibility
- Everyone on the same page
- Timely resources

# Asset Lifecycle Process



# Transit Asset Management Plan



- Individual Agency Plans
- State Sponsored Plan
- FTA Approval 2018
- Annual Updates
- <https://www.transit.dot.gov/TAM/TAMPlans>

# TAM Plans



## Tier I

- Operates rail  
OR
- $\geq 101$  vehicles across all fixed route modes  
OR
- $\geq 101$  vehicles in one non-fixed route mode

## Tier II

- Sub-recipient of 5311 Funds  
OR
- American Indian Tribe  
OR
- $\leq 101$  vehicles across all fixed route modes  
OR
- $< 101$  vehicles in one non-fixed route mode

# Group Plans



Tier II agencies may develop their own plans.

OR

Participate in a group TAM plan, which is unusually compiled by a group TAM plan sponsor, such as a State DOT.

Group plans updated every 4 years.



## **Missouri Transit Providers**

### **Tier I**

Individual Plans

Metro Bi State – (St. Louis area)

Kansas City Area Transportation Authority (KCATA) ,

KC Street Car – (Kansas City)

### **Tier II**

Individual Plans

City of Columbia

City of Jefferson

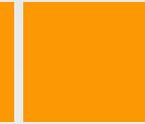
City of St. Joseph

MoDOT Sponsored Group TAM Plan

Cape Girardeau County Transit Authority

City Utilities – Springfield

Section 5311 Subrecipients



## Timeline

July 2018	MoDOT staff compiles annual fiscal year inventory and facility condition assessment for each performance measure. Meet with MoDOT Executive Team.
By Aug. 1, 2018	MoDOT shares data and yearly targets with transit agencies, MPO's and FTA with discussion on data and assumptions in a partner collaboration call.
August 2018	MoDOT solicits target setting feedback from partners by email.
Oct. 1, 2018	MoDOT shares targets with transit agencies, MPOs and FTA through email and monthly partner collaboration calls.
By Oct. 31, 2018	MoDOT submits annual targets in the National Transit Database (NTD).



# Rolling Stock Useful Life

## MoDOT

Vehicle Use and Disposition (all programs)	
Vans - straight, modified, sedans, lowered floor and other vehicles (mini van)	4 years or 100,000 miles
25' - 35' Light duty transit bus, cutaways - body on van chassis	5 years or 150,000 miles
30' Medium duty transit bus	7 years or 200,000 miles
30' Heavy duty transit bus	10 years or 350,000 miles
35' - 40' Heavy duty bus and transit buses	12 years or 500,000 miles

## TAM Plan

Vehicle Use and Disposition (all programs)	Default Useful Life Benchmark
Vans - straight, modified, sedans, lowered floor and other vehicles (mini van)	8 years
25' - 35' Light duty transit bus, cutaways - body on van chassis	10 years
30' Medium duty transit bus	14 years
30' Heavy duty transit bus	20 years
35' - 40' Heavy duty bus and transit buses	25 years



FTA Funding Source / Recipient	Project Year – Funding for Capital Assets				
	2019	2020	2021	2022	2023
<b>MoDOT subrecipients</b>					
5339 – Bus and Bus Facilities - Rural	\$ 2,137,071	\$ 2,137,071	\$ 2,137,071	\$ 2,137,071	\$ 2,137,071
5339 - Discretionary Funding	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -
<b>Small Urban recipients</b>					
5339 – Bus and Bus Facilities – Cape Girardeau	\$ 250,285	\$ 250,285	\$ 250,285	\$ 250,285	\$ 250,285
5339- Bus and Bus Facilities - Springfield	\$ 376,790	\$ 376,790	\$ 376,790	\$ 376,790	\$ 376,790
<b>Projected Funding</b>	\$ 6,364,146	\$ 2,764,146	\$ 2,764,146	\$ 2,764,146	\$ 2,764,146



# Thank You

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